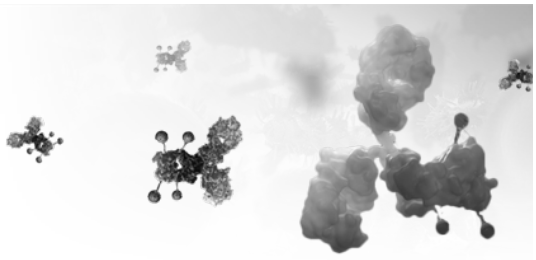

Anti-KCNB1 polyclonal antibody (DPAB-DC1763)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members.
Immunogen	A synthetic peptide corresponding to human KCNB1. The sequence is C-HQYIDADTDDEGQ
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

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Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KCNB1 potassium voltage-gated channel, Shab-related subfamily, member 1 [Homo sapiens (human)]
Official Symbol	KCNB1
Synonyms	KCNB1; potassium voltage-gated channel, Shab-related subfamily, member 1; DRK1; KV2.1; h-DRK1; potassium voltage-gated channel subfamily B member 1; h-DRK1 K(+) channel; potassium channel protein DRK1; delayed rectifier potassium channel 1; delayed rectifier potassium channel Kv2.1; voltage-gated potassium channel subunit Kv2.1;
Entrez Gene ID	3745
Protein Refseq	NP_004966
UniProt ID	Q14721
Chromosome Location	20q13.2
Pathway	Calcium Regulation in the Cardiac Cell; Integration of energy metabolism; Neuronal System; Regulation of insulin secretion
Function	delayed rectifier potassium channel activity; outward rectifier potassium channel activity; protein N-terminus binding; protein binding

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